

# PHOS-CHEK® 3x3% LV

## AR-AFFF LOW VISCOSITY ALCOHOL RESISTANT – AQUEOUS FILM FORMING FOAM CONCENTRATE



### DESCRIPTION

**PHOS-CHEK® 3x3% AR-AFFF LV** foam concentrate is a mixture of water, hydrocarbon surfactants, solvents, C6 fluorosurfactants and fluoropolymers. The product is a 3% concentrate proportioned solution for use on both hydrocarbon and polar solvent fires. PHOS-CHEK 3x3% AR-AFFF LV foam is designed for rapid control and knockdown by producing a thin aqueous film on hydrocarbon fuels or a polymer membrane on polar solvent fuels that minimize vapor release, a foam blanket that separates the fuel from the air, and continual draining of water from the foam blanket provides cooling at the fuel surface.

Foam system designers are continually struggling with the limitations of equipment placement because of the higher viscosity of conventional alcohol resistant aqueous film forming foams and their inherent flow problems. PHOS-CHEK 3x3% AR-AFFF LV (~10 cp) is ideally suited for foam systems with long distances between the foam storage tank and proportioning device.

### APPLICATIONS

PHOS-CHEK 3x3% AR-AFFF LV is used in fire suppression systems and manual applications to fight a broad range of Class B flammable liquid fires including hydrocarbon fuels such as gasoline and diesel, and on polar solvent fuels such as ketones and alcohols. Typical applications include storage tanks, loading racks, docks, process areas, warehouses, and is an excellent vapor suppressor for flammable liquid spills.

### APPROVAL CERTIFICATIONS

UL 162 Listed, EN 1568-3:2008 (Class IB) and EN 1568-4:2008 (Class IB) Approved.



### TYPICAL PHYSICAL PROPERTIES

<b>Specific Gravity @ 68 °F (20 °C)</b>	<b>1.060 – 1.100</b>
<b>pH</b>	<b>8.5 ± 0.5</b>
<b>Viscosity (LV-1 Spindle @ 60 RPM)*</b>	<b>5 – 12 cP</b>
<b>Refractive Index</b>	<b>1.3850 – 1.3950</b>
<b>Lowest Temperature for Use</b>	<b>0 °F (-18 °C)</b>
<b>Freezing Point</b>	<b>-13 °F (-25 °C)</b>

\*Brookfield LVT

### STORAGE AND HANDLING

The concentrate should be stored at temperatures between 35 °F (1.7 °C) and 120 °F (49 °C)\*\*, preferably in the original containers, approved bladder tanks, stainless steel, high density polyethylene, fiberglass or epoxy lined tanks. Concentrate piping acceptable materials of construction include stainless steel (either 304 or 316), some plastic piping including fiberglass and PVC, red brass, and black iron as long as the system is completely flooded eliminating the air/foam concentrate/carbon steel interface. Avoid permanent contact with carbon steel, iron, some copper alloys, & aluminum when the piping material and concentrate will be exposed to air. Galvanized piping should not be used in direct contact with the foam concentrate.

\*\*EN APPROVAL: 35 °F (1.7 °C) and 122 °F (50 °C)

## PHOS-CHEK® 3x3% LV

Foam concentrates are subject to evaporation, which accelerates when the product is exposed to air. Storage tanks should be sealed and fitted with a pressure vacuum vent to prevent free exchange of air.

### HANDLING PRECAUTIONS

- For DETAILED SAFETY INFORMATION, please refer to the SDS.
- **Precautionary Measures:** Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary contact and removal of the material from the eyes, skin and clothing.
- **Eye Protection:** As a good industrial practice, the use of chemical goggles is recommended.
- **If in the eyes:** Flush with plenty of water.
- **Skin Protection:** Wear protective gloves when handling concentrate to minimize skin contact. Wash hands and contaminated skin after handling.
- **Respiratory Protection:** None required.
- For complete SDS, visit [perimeter-solutions.com](http://perimeter-solutions.com)

### SHELF LIFE, INSPECTION AND TESTING

The shelf life of any foam concentrate is maximized by proper storage conditions and maintenance. Factors affecting shelf life are wide temperature fluctuation, evaporation, dilution, and contamination by foreign materials. Properly stored PHOS-CHEK AR-AFFF Class B foam concentrates should have no significant loss of firefighting performance for 20+ years. However, the National Fire Protection Association (NFPA) recommends annual testing of all firefighting foams.

### PACKAGING

#### ORDERING INFORMATION

PHOS-CHEK 3x3% LV AR-AFFF	lb.*	kg.*	Part #
5 Gallon Pail (20 litres)	43	19	10004000
55 Gallon Drum (200 litres)	468	212	10003999
265 Gallon Tote (1,000 litres)	2255	1023	10003998

\*Approximate shipping weight

\*Contact your local authorized PHOS-CHEK distributor or factory sales representative for additional details. [perimeter-solutions.com](http://perimeter-solutions.com)



**Solutions That Save.**

#### FOR MORE INFORMATION

Contact any of our worldwide Perimeter Solutions Fire Safety offices or visit:

[www.Perimeter-Solutions.com](http://www.Perimeter-Solutions.com)

#### UNITED STATES

10667 Jersey Blvd.  
Rancho Cucamonga, CA 91730

Tel: +1 800 682 3626  
Tel: +1 909 983 0772

[salesfoamusa@perimeter-solutions.com](mailto:salesfoamusa@perimeter-solutions.com)

#### EMEA

Polígono de Baiña, Parcela 23  
33682 Mieres (Asturias)  
Spain

Tel: +34 985 24 29 45

[salesfoamema@perimeter-solutions.com](mailto:salesfoamema@perimeter-solutions.com)

#### ASIA PACIFIC

3 Charles Street  
St Marys NSW 2760 – Australia

Tel: +61 2 9673 5300

[salesfoamapac@perimeter-solutions.com](mailto:salesfoamapac@perimeter-solutions.com)

[perimeter-solutions.com](http://perimeter-solutions.com)

**NOTICE** PERIMETER SOLUTIONS MAKES NO REPRESENTATIONS OR WARRANTIES AS TO THE COMPLETENESS OR ACCURACY OF THE INFORMATION INCLUDED HEREIN. THE INFORMATION CONTAINED HEREIN IS NOT INTENDED TO PROVIDE REGULATORY, LEGAL OR EXPERT ADVICE RELATING TO THE PRODUCTS, ITS APPLICATION OR USES. NOTHING CONTAINED HEREIN IS TO BE CONSTRUED AS A RECOMMENDATION TO USE ANY PRODUCT, PROCESS, EQUIPMENT OR FORMULATION IN CONFLICT WITH ANY INDUSTRIAL PROPERTY OR INTELLECTUAL PROPERTY RIGHTS, AND PERIMETER SOLUTIONS MAKES NO REPRESENTATION OR WARRANTY, EXPRESS OR IMPLIED, THAT THE USE THEREOF WILL NOT INFRINGE ON ANY INDUSTRIAL PROPERTY OR INTELLECTUAL PROPERTY RIGHTS. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESSED OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO THE INFORMATION CONTAINED HEREIN.